

SEQUENCE LISTING

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<120> SECRETED POLYPEPTIDE SPECIES ASSOCIATED WITH CARDIOVASCULAR DISORDERS

<130> 4 -33643A/GEP (5052-W001)

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<400> 127

Thr Leu Ser Asp Tyr Asn Ile Gln Lys
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<400> 128

Thr Leu Ser Asp Tyr Asn Ile Gln Lys Glu Ser Thr Leu His Leu Val
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Leu Arg

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Ala His Tyr Asp Leu Arg
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Ala His Tyr Asp Leu Arg His Thr Phe Met Gly Val Val Ser Leu Gly
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Ser Pro Ser Gly Glu Val Ser His Pro Arg
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His Thr Phe Met Gly Val Val Ser Leu Gly Ser Pro Ser Gly Glu Val
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Ser His Pro Arg
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Glu Glu Ser Leu Asp Ser Asp Leu Tyr Ala Glu Leu Arg
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<400> 133

Gly Lys Glu Glu Ser Leu Asp Ser Asp Leu Tyr Ala Glu Leu Arg
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Gly Thr His Cys Asn Gln Val Glu Val Ile Ala Thr Leu Lys
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<400> 135

Ile Cys Leu Asp Pro Asp Ala Pro Arg
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Lys Ile Cys Leu Asp Pro Asp Ala Pro Arg
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<400> 137

Asn Ile Gln Ser Leu Glu Val Ile Gly Lys
 1 5 10

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<400> 138

Asn Ile Gln Ser Leu Glu Val Ile Gly Lys Gly Thr His Cys Asn Gln
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Val Glu Val Ile Ala Thr Leu Lys
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Glu Glu Ser Leu Asp Ser Asp Leu Tyr Ala Glu Leu Arg
 1 5 10

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Gly Lys Glu Glu Ser Leu Asp Ser Asp Leu Tyr Ala Glu Leu Arg
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Gly Thr His Cys Asn Gln Val Glu Val Ile Ala Thr Leu Lys
 1 5 10

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<400> 142

Ile Cys Leu Asp Pro Asp Ala Pro Arg
 1 5

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Lys Ile Cys Leu Asp Pro Asp Ala Pro Arg
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Asn Ile Gln Ser Leu Glu Val Ile Gly Lys
 1 5 10

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Val Glu Val Ile Ala Thr Leu Lys
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Cys Thr Glu Gly Phe Asn Val Asp Lys
 1 5

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<400> 147

Cys Thr Glu Gly Phe Asn Val Asp Lys Lys
 1 5 10

<210> 148
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<400> 148

Phe Gln Pro Thr Leu Leu Thr Leu Pro Arg
 1 5 10

<210> 149
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Gly Val Thr Ser Val Ser Gln Ile Phe His Ser Pro Asp Leu Ala Ile
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Arg

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<400> 150

Leu Glu Asp Met Glu Gln Ala Leu Ser Pro Ser Val Phe Lys
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<400> 151

Leu Val Leu Leu Asn Ala Ile Tyr Leu Ser Ala Lys
 1 5 10

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<400> 152

Thr Asn Leu Glu Ser Ile Leu Ser Tyr Pro Lys
 1 5 10

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<400> 153

Val Thr Thr Ser Gln Asp Met Leu Ser Ile Met Glu Lys
 1 5 10

<210> 154
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<400> 154

Ala Gln Trp Ala Asn Pro Phe Asp Pro Ser Lys
 1 5 10

<210> 155
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<400> 155

Gly Trp Val Asp Leu Phe Val Pro Lys
1 5

<210> 156

<211> 23

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<213> Homo sapiens

<400> 156

Met Gly Ile Gln His Ala Tyr Ser Glu Asn Ala Asp Phe Ser Gly Leu
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<213> Homo sapiens

<400> 157

Asn Ala Leu Ala Leu Phe Val Leu Pro Lys
1 5 10

<210> 158

<211> 28

<212> PRT

<213> Homo sapiens

<400> 158

Asp Gln Val Asn Thr Phe Asp Asn Ile Phe Ile Ala Pro Val Gly Ile
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<211> 20

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<213> Homo sapiens

<400> 159

Glu Tyr Tyr Phe Ala Glu Ala Gln Ile Ala Asp Phe Ser Asp Pro Ala
1 5 10 15Phe Ile Ser Lys
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Phe Thr Val Asp Arg Pro Phe Leu Phe Leu Ile Tyr Glu His Arg
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<400> 161

Gly Pro Leu Asp Gln Leu Glu Lys
 1 5

<210> 162
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<400> 162

Asn Tyr Asn Leu Val Glu Ser Leu Lys
 1 5

<210> 163
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<400> 163

Gln Phe Pro Ile Leu Leu Asp Phe Lys
 1 5

<210> 164
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<400> 164

Thr Leu Glu Ala Gln Leu Thr Pro Arg
 1 5

<210> 165
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<400> 165

Thr Ser Cys Leu Leu Phe Met Gly Arg
 1 5

<210> 166
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<400> 166

Tyr Glu Ile Thr Thr Ile His Asn Leu Phe Arg
 30

1 5 10

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<400> 167

Ala Val Cys Lys Pro Val Arg Cys Pro Ala Pro Val Ser Phe Glu Asn
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Gly Ile Tyr Thr Pro Arg
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<400> 168

Cys Pro Ala Pro Val Ser Phe Glu Asn Gly Ile Tyr Thr Pro Arg
 1 5 10 15

<210> 169
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<400> 169

Cys Ser Ser Asn Leu Val Leu Thr Gly Ser Ser Glu Arg
 1 5 10

<210> 170
 <211> 29
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<400> 170

Cys Ser Ser Asn Leu Val Leu Thr Gly Ser Ser Glu Arg Glu Cys Gln
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Gly Asn Gly Val Trp Ser Gly Thr Glu Pro Ile Cys Arg
 20 25

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<400> 171

Glu Cys Gln Gly Asn Gly Val Trp Ser Gly Thr Glu Pro Ile Cys Arg
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<210> 172
 <211> 31

<212> PRT
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<400> 172

Gln Pro Tyr Ser Tyr Asp Phe Pro Glu Asp Val Ala Pro Ala Leu Gly
 1 5 10 15

Thr Ser Phe Ser His Met Leu Gly Ala Thr Asn Pro Thr Gln Lys
 20 25 30

<210> 173
 <211> 12
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<400> 173

Ser Ser Gly Gln Trp Gln Thr Pro Gly Ala Thr Arg
 1 5 10

<210> 174
 <211> 20
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<400> 174

Asp Gln Gly Ser Cys Gly Ser Cys Trp Ala Phe Gly Ala Val Glu Ala
 1 5 10 15

Ile Ser Asp Arg
 20

<210> 175
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<400> 175

Glu Gln Trp Pro Gln Cys Pro Thr Ile Lys
 1 5 10

<210> 176
 <211> 23
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<400> 176

Asn Asp Phe Gln Leu Ile Gly Ile Gln Asp Gly Tyr Leu Ser Leu Leu
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Gln Asp Ser Gly Glu Val Arg
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 <211> 12
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<213> Homo sapiens

<400> 177

Val His Leu Val Gly Ile Asp Ile Phe Thr Gly Lys
1 5 10

<210> 178

<211> 12

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<400> 178

Ala Ser Ser Ile Ile Asp Glu Leu Phe Gln Asp Arg
1 5 10

<210> 179

<211> 16

<212> PRT

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<400> 179

Ala Ser Ser Ile Ile Asp Glu Leu Phe Gln Asp Arg Phe Phe Thr Arg
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<211> 18

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<213> Homo sapiens

<400> 180

Asp Gln Thr Val Ser Asp Asn Glu Leu Gln Glu Met Ser Asn Gln Gly
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Ser Lys

<210> 181

<211> 10

<212> PRT

<213> Homo sapiens

<400> 181

Glu Ile Gln Asn Ala Val Asn Gly Val Lys
1 5 10

<210> 182

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<213> Homo sapiens

<400> 182

Ile Asp Ser Leu Leu Glu Asn Asp Arg
1 5

<210> 183

<211> 11
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<400> 183

Lys Thr Leu Leu Ser Asn Leu Glu Glu Ala Lys
 1 5 10

<210> 184
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<400> 184

Gln Gln Thr His Met Leu Asp Val Met Gln Asp His Phe Ser Arg
 1 5 10 15

<210> 185
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 <213> Homo sapiens

<400> 185

Arg Pro His Phe Phe Phe Pro Lys
 1 5

<210> 186
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<400> 186

Thr Leu Leu Ser Asn Leu Glu Glu Ala Lys
 1 5 10

<210> 187
 <211> 37
 <212> PRT
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<400> 187

Cys Pro Gly Cys Gly Gln Gly Val Gln Ala Gly Cys Pro Gly Gly Cys
 1 5 10 15

Val Glu Glu Glu Asp Gly Gly Ser Pro Ala Glu Gly Cys Ala Glu Ala
 20 25 30

Glu Gly Cys Leu Arg
 35

<210> 188
 <211> 22
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<400> 188

Glu Gly Gln Glu Cys Gly Val Tyr Thr Pro Asn Cys Ala Pro Gly Leu
 1 5 10 15

Gln Cys His Pro Pro Lys
 20

<210> 189
 <211> 29
 <212> PRT
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<400> 189

Glu Gly Gln Glu Cys Gly Val Tyr Thr Pro Asn Cys Ala Pro Gly Leu
 1 5 10 15

Gln Cys His Pro Pro Lys Asp Asp Glu Ala Pro Leu Arg
 20 25

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<400> 190

Gly Ala Gln Thr Leu Tyr Val Pro Asn Cys Asp His Arg
 1 5 10

<210> 191
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<400> 191

His Leu Asp Ser Val Leu Gln Gln Leu Gln Thr Glu Val Tyr Arg
 1 5 10 15

<210> 192
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<400> 192

Asn Pro Gly Thr Ser Thr Thr Pro Ser Gln Pro Asn Ser Ala Gly Val
 1 5 10 15

Gln Asp Thr Glu Met Gly Pro Cys Arg
 20 25

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<400> 193

Asn Pro Gly Thr Ser Thr Thr Pro Ser Gln Pro Asn Ser Ala Gly Val
 1 5 10 15

Gln Asp Thr Glu Met Gly Pro Cys Arg Arg
 20 25

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<400> 194

Arg Gly Pro Cys Trp Cys Val Asp Arg
 1 5

<210> 195
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 <212> PRT
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<400> 195

Arg His Leu Asp Ser Val Leu Gln Gln Leu Gln Thr Glu Val Tyr Arg
 1 5 10 15

<210> 196
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<400> 196

Ser Leu Pro Gly Ser Pro Asp Gly Asn Gly Ser Ser Ser Cys Pro Thr
 1 5 10 15

Gly Ser Ser Gly
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Glu Ser Leu Leu Asn His Phe Leu Tyr Glu Val Ala Arg
 1 5 10

<210> 198
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<400> 198

Phe Thr Asp Ser Glu Asn Val Cys Gln Glu Arg
 1 5 10

<210> 199

<211> 7
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<400> 199

Phe Thr Phe Glu Tyr Ser Arg
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<210> 200
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 <212> PRT
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<400> 200

His Glu Leu Thr Asp Glu Glu Leu Gln Ser Leu Phe Thr Asn Phe Ala
 1 5 10 15

Asn Val Val Asp Lys
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<400> 201

Ile Ala Pro Gln Leu Ser Thr Glu Glu Leu Val Ser Leu Gly Glu Lys
 1 5 10 15

<210> 202
 <211> 23
 <212> PRT
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<400> 202

Leu Lys His Glu Leu Thr Asp Glu Glu Leu Gln Ser Leu Phe Thr Asn
 1 5 10 15

Phe Ala Asn Val Val Asp Lys
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Leu Pro Asn Asn Val Leu Gln Glu Lys
 1 5

<210> 204
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 <212> PRT
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<400> 204

Asn Pro Phe Val Phe Ala Pro Thr Leu Leu Thr Val Ala Val His Phe
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Glu Glu Val Ala Lys
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<400> 205

Arg His Pro Asp Leu Ser Ile Pro Glu Leu Leu Arg
 1 5 10

<210> 206
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 <212> PRT
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<400> 206

Arg Asn Pro Phe Val Phe Ala Pro Thr Leu Leu Thr Val Ala Val His
 1 5 10 15

Phe Glu Glu Val Ala Lys
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Ala Pro Tyr Tyr Asn Tyr Lys
 1 5

<210> 208
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<400> 208

Ala Thr Tyr Ile Gln Asn Tyr Arg
 1 5

<210> 209
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<400> 209

Asp Ile Ile Asp Pro Ala Phe Arg
 1 5

<210> 210
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Asp Pro Ala Gly His Phe His Gln Val Trp Tyr Asp Asn Pro Gln Ser
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Ile Ser Leu Lys
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<400> 211

Glu Ile Glu Gly Ser Gln Val Thr Phe Asp Val Ala Trp Ser Pro Lys
 1 5 10 15

<210> 212
 <211> 19
 <212> PRT
 <213> Homo sapiens

<400> 212

Gly Ile Gly Met Trp Asn Ala Asn Cys Leu Asp Tyr Ser Gly Asp Ala
 1 5 10 15

Val Ala Lys

<210> 213
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<400> 213

His His Pro Asp Phe Glu Val Phe Val Phe Asp Val Gly Gln Lys
 1 5 10 15

<210> 214
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<400> 214

Gln Gln Thr Glu Glu Met Trp Glu Val Leu Lys Pro Lys
 1 5 10

<210> 215
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<400> 215

Ser Tyr Asp Trp Ser Gln Ile Thr Thr Val Ala Thr Phe Gly Lys
 1 5 10 15

<210> 216

<211> 15

<212> PRT

<213> Homo sapiens

<400> 216

Thr Asp Cys Pro Cys Pro Glu Pro Glu Leu Cys Arg Pro Ile Arg
 1 5 10 15

<210> 217

<211> 30

<212> PRT

<213> Homo sapiens

<400> 217

Thr Gln Tyr Met Asp Gly Ile Asn Ile Asp Ile Glu Gln Glu Val Asn
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Cys Leu Ser Pro Glu Tyr Asp Ala Leu Thr Ala Leu Val Lys
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<211> 15

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<213> Homo sapiens

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Asp Ala Asn Ile Ser Gln Pro Glu Thr Thr Lys Glu Gly Leu Arg
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<210> 219

<211> 14

<212> PRT

<213> Homo sapiens

<400> 219

Ser Gly Val Gln Gln Leu Ile Gln Tyr Tyr Gln Asp Gln Lys
 1 5 10

<210> 220

<211> 13

<212> PRT

<213> Homo sapiens

<400> 220

Ser Tyr Asp Leu Asp Pro Gly Ala Gly Ser Leu Glu Ile
 1 5 10

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Ile Leu Glu Asp Gly Ser Ile Tyr Thr Thr His Asp Leu Ile Leu Ser
1 5 10 15

Ser Glu Arg

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<211> 20

<212> PRT

<213> Homo sapiens

<400> 222

Ile Leu Glu Asp Gly Ser Ile Tyr Thr Thr His Asp Leu Ile Leu Ser
1 5 10 15

Ser Glu Arg Lys
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Lys Ser Phe Ser Ile Phe Leu Ser Asp Gly Gln Arg
1 5 10

<210> 224

<211> 11

<212> PRT

<213> Homo sapiens

<400> 224

Ser Phe Ser Ile Phe Leu Ser Asp Gly Gln Arg
1 5 10

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<211> 12

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Ser Phe Ser Ile Phe Leu Ser Asp Gly Gln Arg Arg
1 5 10

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<400> 226

Val Asn Leu Glu Glu Cys Leu Lys

1 5

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<400> 227

Val Pro Ser His Leu Gln Ala Glu Thr Leu Val Gly Lys
 1 5 10

<210> 228
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Val Pro Ser His Leu Gln Ala Glu Thr Leu Val Gly Lys Val Asn Leu
 1 5 10 15

Glu Glu Cys Leu Lys
 20

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<400> 229

Val Tyr Leu Arg Val Pro Ser His Leu Gln Ala Glu Thr Leu Val Gly
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Lys

<210> 230
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 <212> PRT
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<400> 230

Gly Glu Glu Ile Thr Thr Lys Pro Glu Asn Met Glu His Cys Tyr Tyr
 1 5 10 15

Lys

<210> 231
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<400> 231

His Leu Leu Gly Pro Asp Tyr Thr Glu Thr Leu Tyr Ser Pro Arg
 1 5 10 15

<210> 232
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<400> 232

Asn Ser Val Ala Ser Ile Ser Thr Cys Asp Gly Leu Arg
 1 5 10

<210> 233
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<400> 233

Tyr Glu Pro Glu Val Gln Tyr Gln Met Ile Leu Asn Gly Glu Glu Ile
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Ile Leu Ser Leu Gln Lys
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<400> 234

Gly Phe Gly Gly Leu Thr Gly Gln Ile Val Ala Ala Leu Ser Thr Ala
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Lys

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<400> 235

Gly Gly Ser Ile Gln Gln Tyr Ile Tyr Lys
 1 5 10

<210> 236
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Gly His Tyr Phe Trp Met Leu Ser Pro Phe Ser Pro Pro Ser Pro Ala
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Arg

<210> 237
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<400> 237

Ile Thr Glu Val Trp Gly Ile Pro Ser Pro Ile Asp Thr Val Phe Thr
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Arg

<210> 238
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Arg Pro Ala Leu Asn Tyr Pro Val Tyr Gly Glu Thr Thr Gln Val Arg
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Phe Gln Leu Phe Gly Ser Pro Ser Gly Gln Lys
 1 5 10

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Ile Asp Ser Gly Leu Tyr Leu Gly Ser Gly Tyr Phe Thr Ala Ile Gln
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Asn Leu Arg

<210> 241
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<400> 241

Cys Pro Ala Gly Val Ser Leu Val Leu Asp Gly Cys Gly Cys Cys Arg
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Asp Gly Ala Pro Cys Ile Phe Gly Gly Thr Val Tyr Arg
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<210> 243

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<400> 243

Gly Leu Phe Cys Asp Phe Gly Ser Pro Ala Asn Arg
 1 5 10

<210> 244

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<213> Homo sapiens

<400> 244

Leu Pro Ser Pro Asp Cys Pro Phe Pro Arg
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<210> 245

<211> 11

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<213> Homo sapiens

<400> 245

Gly Ile Asp Ser Asp Ala Ser Tyr Pro Tyr Lys
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<210> 246

<211> 16

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<400> 246

Leu Val Ser Leu Ser Ala Gln Asn Leu Val Asp Cys Ser Thr Glu Lys
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<400> 247

Gly Asn His Cys Gly Ile Ala Ser Phe Pro Ser Tyr Pro Glu Ile
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<213> Homo sapiens

<400> 248

Ala Trp Ile Leu Glu Arg Ala Phe Pro Gln Cys Leu Arg
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<210> 249
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<400> 249

Cys Ile Ser Gly His Ala Phe Phe Tyr Thr Gly Glu Arg
 1 5 10

<210> 250
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<400> 250

Asp Pro Cys Asp Pro Asn Pro Cys Gln Asn Asp Gly Ile Cys Val Asn
 1 5 10 15

Val Lys

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<400> 251

Ser Val Glu Asn Thr Gly Pro Leu Glu Asp His Asn Trp Pro Gln Tyr
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Phe Arg

<210> 252
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<400> 252

Asp Ser Phe His Leu Asp Glu Gln Phe Thr Val Pro Val Glu Met Met
 1 5 10 15

Gln Ala Arg

<210> 253
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 <212> PRT
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<400> 253

Gly Phe Pro Ile Lys Glu Asp Phe Leu Glu Gln Ser Glu Gln Leu Phe
 1 5 10 15

Gly Ala Lys Pro Val Ser Leu Thr Gly Lys
 20 25

<210> 254
 <211> 24
 <212> PRT
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<400> 254

His Gln Met Asp Leu Val Ala Thr Leu Ser Gln Leu Gly Leu Gln Glu
 1 5 10 15

Leu Phe Gln Ala Pro Asp Leu Arg
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Leu Cys Gln Asp Leu Gly Pro Gly Ala Phe Arg
 1 5 10

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Leu Gly Asn Gln Glu Pro Gly Gly Gln Thr Ala Leu Lys
 1 5 10

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<400> 257

Leu Gln Gln Val Leu His Ala Gly Ser Gly Pro Cys Leu Pro His Leu
 1 5 10 15

Leu Ser Arg

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<400> 258

Asn Lys Phe Asp Pro Ser Leu Thr Gln Arg

1 5 10

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<400> 259

Asn Gln Glu Gln Val Ser Pro Leu Thr Leu Leu Lys
 1 5 10

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<400> 260

Gln Glu Asp Asp Leu Ala Asn Ile Asn Gln Trp Val Lys
 1 5 10

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Trp Phe Leu Leu Glu Gln Pro Glu Ile Gln Val Ala His Phe Pro Phe
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Lys

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<400> 262

Asp Phe Leu Gln Ser Leu Lys
 1 5

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Glu Gln Gln Asp Ser Pro Gly Asn Lys Asp Phe Leu Gln Ser Leu Lys
 1 5 10 15

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<400> 264

Gly Asp Lys Leu Phe Gly Pro Asp Leu Lys
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Leu Phe Gly Pro Asp Leu Lys
 1 5

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Leu Val Pro Pro Met Glu Glu Asp Tyr Pro Gln Phe Gly Ser Pro Lys
 1 5 10 15

<210> 267
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<400> 267

Leu Asn Pro Gly Ala Leu Leu Pro Val Leu Thr Asp Pro Ala Leu Asn
 1 5 10 15

Asp Leu Tyr Val Ile Ser Thr Phe Lys
 20 25

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Leu Asn Pro Gly Ala Leu Leu Pro Val Leu Thr Asp Pro Ala Leu Asn
 1 5 10 15

Asp Leu Tyr Val Ile Ser Thr Phe Lys
 20 25

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<400> 269

Ala Leu Ala Gln Cys Ala Pro Pro Pro Ala Val Cys Ala Glu Leu Val
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Arg

<210> 270
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<400> 270

Cys Glu Pro Cys Asp Ala Arg Ala Leu Ala Gln Cys Ala Pro Pro Pro
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Ala Val Cys Ala Glu Leu Val Arg
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<400> 271

Cys Gln Pro Ser Pro Asp Glu Ala Arg Pro Leu Gln Ala Leu Leu Asp
 1 5 10 15

Gly Arg

<210> 272
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<400> 272

Glu Pro Gly Cys Gly Cys Cys Leu Thr Cys Ala Leu Ser Glu Gly Gln
 1 5 10 15

Pro Cys Gly Ile Tyr Thr Glu Arg
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<400> 273

Phe His Pro Leu His Ser Lys
 1 5

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<400> 274

Gly Ala Ser Ser Gly Gly Leu Gly Pro Val Val Arg
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1 5 10

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Gly Leu Cys Val Asn Ala Ser Ala Val Ser Arg
 1 5 10

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<400> 276

Ser Ala Gly Ser Val Glu Ser Pro Ser Val Ser Ser Thr His Arg
 1 5 10 15

<210> 277
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Ala Leu Ala Gln Cys Ala Pro Pro Pro Ala Val Cys Ala Glu Leu Val
 1 5 10 15

Arg

<210> 278
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<400> 278

Cys Gln Pro Ser Pro Asp Glu Ala Arg Pro Leu Gln Ala Leu Leu Asp
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Gly Arg

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<400> 279

Glu Met Glu Asp Thr Leu Asn His Leu Lys
 1 5 10

<210> 280
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Glu Pro Gly Cys Gly Cys Cys Leu Thr Cys Ala Leu Ser Glu Gly Gln
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Pro Cys Gly Ile Tyr Thr Glu Arg
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Glu Thr Glu Tyr Gly Pro Cys Arg
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Phe Leu Asn Val Leu Ser Pro Arg
 1 5

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<400> 283

Gly Ala Ser Ser Gly Gly Leu Gly Pro Val Val Arg
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<400> 284

Tyr Gly Gln Pro Leu Pro Gly Tyr Thr Thr Lys
 1 5 10

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<400> 285

Arg Gly Ser Gly Leu Gly Val Ser Ser Phe Leu Arg
 1 5 10

<210> 286
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<400> 286

Ile Ser His Glu Leu Asp Ser Ala Ser Ser Glu Val Asn
 1 5 10

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<400> 287

Ile Ser His Glu Leu Asp Ser Ala Ser Ser Glu Val Asn
 1 5 10

<210> 288
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<400> 288

Ala Asn Asp Glu Ser Asn Glu His Ser Asp Val Ile Asp Ser Gln Glu
 1 5 10 15

Leu Ser Lys

<210> 289
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 <212> PRT
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<400> 289

Lys Ala Asn Asp Glu Ser Asn Glu His Ser Asp Val Ile Asp Ser Gln
 1 5 10 15

Glu Leu Ser Lys
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<400> 290

Ile Pro Ala Cys Ile Ala Gly Glu Arg
 1 5

<210> 291
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<400> 291

Leu Trp Ala Phe Cys Cys
1 5

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<211> 16

<212> PRT

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<400> 292

Asn Met Asp Cys Tyr Cys Arg Ile Pro Ala Cys Ile Ala Gly Glu Arg
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<210> 293

<211> 10

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<213> Homo sapiens

<400> 293

Arg Tyr Gly Thr Cys Ile Tyr Gln Gly Arg
1 5 10

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<211> 22

<212> PRT

<213> Homo sapiens

<400> 294

Thr Trp Asp Arg Leu Met Leu Gln Asp Asn Cys Cys Gly Val Asn Gly
1 5 10 15Pro Ser Asp Trp Gln Lys
20

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<211> 16

<212> PRT

<213> Homo sapiens

<400> 295

Ile Asn Leu Leu Gly Phe Leu Gly Leu Val His Cys Leu Pro Cys Lys
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<211> 9

<212> PRT

<213> Homo sapiens

<400> 296

Val Pro Val Leu Gly Cys Val Asp Arg
1 5

<210> 297

<211> 17

<212> PRT

<213> Homo sapiens

<400> 297

Gly Ile Ile Trp Gly Glu Asp Thr Leu Met Glu Tyr Leu Glu Asn Pro
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Lys

<210> 298

<211> 7

<212> PRT

<213> Homo sapiens

<400> 298

Val Ile Asp Gln Phe Gly Glu
1 5

<210> 299

<211> 9

<212> PRT

<213> Homo sapiens

<400> 299

Ser Ala Leu Val Leu Gln Tyr Leu Arg
1 5

<210> 300

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<212> PRT

<213> Homo sapiens

<400> 300

Ala Thr Thr Val Thr Gly Thr Pro Cys Gln Asp Trp Ala Ala Gln Glu
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Pro His Arg

<210> 301

<211> 11

<212> PRT

<213> Homo sapiens

<400> 301

His Ser Ile Phe Thr Pro Glu Thr Asn Pro Arg
1 5 10

<210> 302

<211> 18

<212> PRT

<213> Homo sapiens

<400> 302

Asn Pro Asp Ala Asp Lys Gly Pro Trp Cys Phe Thr Thr Asp Pro Ser
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1 5 10 15

Val Arg

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<400> 303

Asn Pro Asp Gly Asp Val Gly Gly Pro Trp Cys Tyr Thr Thr Asn Pro
 1 5 10 15

Arg

<210> 304
 <211> 20
 <212> PRT
 <213> Homo sapiens

<400> 304

Gly Arg Pro Gly Pro Gln Pro Trp Cys Ala Thr Thr Pro Asn Phe Asp
 1 5 10 15

Gln Asp Gln Arg
 20

<210> 305
 <211> 8
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<400> 305

Lys Ser Leu Ser Ser Met Thr Arg
 1 5

<210> 306
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 <212> PRT
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<400> 306

Leu Cys His Cys Pro Val Gly Tyr Thr Gly Pro Phe Cys Asp Val Asp
 1 5 10 15

Thr Lys

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<400> 307

Asn Gly Pro Leu Ser Cys Gly Gln Arg
 1 5

<210> 308

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<212> PRT

<213> Homo sapiens

<400> 308

Asn Pro Asp Asn Asp Ile Arg Pro Trp Cys Phe Val Leu Asn Arg
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<400> 309

Ser Leu Ser Ser Met Thr Arg
 1 5

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Val Val Asp Val Leu Asp Ser Ile Lys
 1 5

<210> 311

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<400> 311

Cys Tyr Asn Glu Leu Asn Gly Cys Thr Lys
 1 5 10

<210> 312

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<212> PRT

<213> Homo sapiens

<400> 312

Ile Tyr Asp Pro Val Cys Gly Thr Asp Gly Asn Thr Tyr Pro Asn Glu
 1 5 10 15

Cys Val Leu Cys Phe Glu Asn Arg
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<213> Homo sapiens

<400> 313

Gln Thr Ser Ile Leu Ile Gln Lys
1 5

<210> 314

<211> 24

<212> PRT

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Ile Tyr Asp Pro Val Cys Gly Thr Asp Gly Asn Thr Tyr Pro Asn Glu
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Cys Val Leu Cys Phe Glu Asn Arg
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<213> Homo sapiens

<400> 315

Gln Thr Ser Ile Leu Ile Gln Lys
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<210> 316

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<212> PRT

<213> Homo sapiens

<400> 316

Phe Gly Leu Glu Lys
1 5

<210> 317

<211> 9

<212> PRT

<213> Homo sapiens

<400> 317

Gly Tyr Thr Gln Gln Leu Ala Phe Arg
1 5

<210> 318

<211> 11

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<213> Homo sapiens

<400> 318

Gln Pro Ser Ser Ala Phe Ala Ala Phe Val Lys
1 5 10

<210> 319

<211> 13
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<400> 319

Ala Glu Met Ala Asp Gln Ala Ser Ala Trp Leu Thr Arg
 1 5 10

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Ala Ile Asn Glu Lys Leu Gly Gln Tyr Ala Ser Pro Thr Ala Lys
 1 5 10 15

<210> 321
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Gly Leu Glu Glu Glu Leu Gln Phe Ser Leu Gly Ser Lys
 1 5 10

<210> 322
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<400> 322

Leu Gly Gln Tyr Ala Ser Pro Thr Ala Lys
 1 5 10

<210> 323
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<400> 323

Leu Gly Gln Tyr Ala Ser Pro Thr Ala Lys Arg
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<210> 324
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<400> 324

Asn Gly Phe Lys Ser His Ala Leu Gln Leu Asn Asn Arg
 1 5 10

<210> 325
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<213> Homo sapiens

<400> 325

Gln Gly Ser Phe Gln Gly Gly Phe Arg
1 5

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<211> 10

<212> PRT

<213> Homo sapiens

<400> 326

Ser Phe Phe Pro Glu Asn Trp Leu Trp Arg
1 5 10

<210> 327

<211> 9

<212> PRT

<213> Homo sapiens

<400> 327

Ser His Ala Leu Gln Leu Asn Asn Arg
1 5

<210> 328

<211> 25

<212> PRT

<213> Homo sapiens

<400> 328

Ser Thr Gln Asp Thr Val Ile Ala Leu Asp Ala Leu Ser Ala Tyr Trp
1 5 10 15

Ile Ala Ser His Thr Thr Glu Glu Arg
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<210> 329

<211> 21

<212> PRT

<213> Homo sapiens

<400> 329

Val Gln Gln Pro Asp Cys Arg Glu Pro Phe Leu Ser Cys Cys Gln Phe
1 5 10 15

Ala Glu Ser Leu Arg
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<211> 26

<212> PRT

<213> Homo sapiens

<400> 330

Val Thr Ala Ser Asp Pro Leu Asp Thr Leu Gly Ser Glu Gly Ala Leu
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1 5 10 15

Ser Pro Gly Gly Val Ala Ser Leu Leu Arg
20 25

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<400> 331

Glu Asn Phe Leu Phe Leu Thr Pro Asp Cys Lys
1 5 10

<210> 332
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<400> 332

Ile Ala Ser Phe Ser Gln Asn Cys Asp Ile Tyr Pro Gly Lys
1 5 10

<210> 333
<211> 13
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<213> Homo sapiens

<400> 333

Ile Gly Glu Ile Lys Glu Glu Thr Thr Ser His Leu Arg
1 5 10

<210> 334
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<212> PRT
<213> Homo sapiens

<400> 334

Gln Val Val Ala Gly Leu Asn Phe Arg
1 5

<210> 335
<211> 11
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<400> 335

Thr Val Gly Ser Asp Thr Phe Tyr Ser Phe Lys
1 5 10

<210> 336
<211> 13
<212> PRT
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<400> 336

Ile Gly Glu Ile Lys Glu Glu Thr Thr Ser His Leu Arg
 1 5 10

<210> 337
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<400> 337

Asn Leu Leu Asp His Leu Glu Glu Lys
 1 5

<210> 338
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<400> 338

Phe Leu Ser Val Val Ser Ser Val Leu Thr Glu Lys
 1 5 10

<210> 339
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<400> 339

Ser Ile Asp Asp Ile Gly Gly Ala Leu Ser Lys
 1 5 10

<210> 340
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<400> 340

Thr Ile Ile Val Ser Met Trp Ala Lys
 1 5

<210> 341
 <211> 10
 <212> PRT
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<400> 341

Val Val Ala Ala Val Gly Asp Ala Val Lys
 1 5 10

<210> 342
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 <212> PRT
 <213> Homo sapiens

<400> 342

Met Ser Pro Trp Ser Glu Trp Ser Gln Cys Asp Pro Cys Leu Arg Gln

1 5 10 15

Met Phe Arg

<210> 343
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<400> 343

Arg Pro Trp Asn Val Ala Ser Leu Ile Tyr Glu Thr Lys
 1 5 10

<210> 344
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<400> 344

Val Val Glu Glu Ser Glu Leu Ala Arg
 1 5

<210> 345
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<400> 345

Ala Pro Gln Leu Arg Glu Thr Leu Leu Gln Asp Phe Arg
 1 5 10

<210> 346
 <211> 8
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<400> 346

Glu Thr Leu Leu Gln Asp Phe Arg
 1 5

<210> 347
 <211> 27
 <212> PRT
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<400> 347

Glu Thr Leu Leu Gln Asp Phe Arg Val Val Ala Gln Gly Val Gly Ile
 1 5 10 15

Pro Glu Asp Ser Ile Phe Thr Met Ala Asp Arg
 20 25

<210> 348
 <211> 17

<212> PRT
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<400> 348

Gly Glu Cys Val Pro Gly Glu Gln Glu Pro Glu Pro Ile Leu Ile Pro
 1 5 10 15

Arg

<210> 349
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<400> 349

Gly Val Cys Glu Glu Thr Ser Gly Ala Tyr Glu Lys
 1 5 10

<210> 350
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 <212> PRT
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<400> 350

Gly Val Cys Glu Glu Thr Ser Gly Ala Tyr Glu Lys Thr Asp Thr Asp
 1 5 10 15

Gly Lys

<210> 351
 <211> 13
 <212> PRT
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<400> 351

Lys Gly Val Cys Glu Glu Thr Ser Gly Ala Tyr Glu Lys
 1 5 10

<210> 352
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 <212> PRT
 <213> Homo sapiens

<400> 352

Met Thr Val Ser Thr Leu Val Leu Gly Glu Gly Ala Thr Glu Ala Glu
 1 5 10 15

Ile Ser Met Thr Ser Thr Arg
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<210> 353
 <211> 19
 <212> PRT

<213> Homo sapiens

<400> 353

Val Val Ala Gln Gly Val Gly Ile Pro Glu Asp Ser Ile Phe Thr Met
1 5 10 15

Ala Asp Arg

<210> 354

<211> 36

<212> PRT

<213> Homo sapiens

<400> 354

Val Val Ala Gln Gly Val Gly Ile Pro Glu Asp Ser Ile Phe Thr Met
1 5 10 15

Ala Asp Arg Gly Glu Cys Val Pro Gly Glu Gln Glu Pro Glu Pro Ile
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Leu Ile Pro Arg
35

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<211> 14

<212> PRT

<213> Homo sapiens

<400> 355

Trp Tyr Asn Leu Ala Ile Gly Ser Thr Cys Pro Trp Leu Lys
1 5 10

<210> 356

<211> 17

<212> PRT

<213> Homo sapiens

<400> 356

Cys Leu Leu Phe Ser Phe Leu Pro Ala Ser Ser Ile Asn Asp Met Glu
1 5 10 15

Lys

<210> 357

<211> 13

<212> PRT

<213> Homo sapiens

<400> 357

Cys Gln Phe Phe Ser Tyr Ala Thr Gln Thr Phe His Lys
1 5 10

<210> 358
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 <212> PRT
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<400> 358

Asp Ser Val Thr Gly Thr Leu Pro Lys
 1 5

<210> 359
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<400> 359

Gly Cys Leu Thr Gln Leu Tyr Glu Asn Ala Phe Phe Arg
 1 5 10

<210> 360
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<400> 360

Gly Val Asn Val Cys Gln Glu Thr Cys Thr Lys
 1 5 10

<210> 361
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<400> 361

Leu Ser Met Asp Gly Ser Pro Thr Arg
 1 5

<210> 362
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<400> 362

Thr Gly Ala Val Ser Gly His Ser Leu Lys Gln Cys Gly His Gln Ile
 1 5 10 15

Ser Ala Cys His Arg
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<210> 363
 <211> 26
 <212> PRT
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<400> 363

Thr Ser Glu Ser Gly Thr Pro Ser Ser Ser Thr Pro Gln Glu Asn Thr
 1 5 10 15

Ile Ser Gly Tyr Ser Leu Leu Thr Cys Lys
 20 25

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<400> 364

Val Leu Thr Pro Asp Ala Phe Val Cys Arg
 1 5 10

<210> 365
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<400> 365

Leu Val Gly Ile Thr Ser Trp Gly Glu Gly Cys Ala Arg
 1 5 10

<210> 366
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<400> 366

Val Ala Glu Tyr Met Asp Trp Ile Leu Glu Lys
 1 5 10

<210> 367
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<400> 367

Val Ser Glu Gly Asn His Asp Ile Ala Leu Ile Lys
 1 5 10

<210> 368
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<400> 368

Ser Gln Val Val Ala Gly Thr Asn Tyr Phe Ile Lys
 1 5 10

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<400> 369

Val His Val Gly Asp Glu Asp Phe Val His Leu Arg
1 5 10

<210> 370
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<400> 370

Gly Leu Glu Thr Ser Leu Ala Glu Cys Thr Phe Thr Lys
1 5 10

<210> 371
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<400> 371

Ser Val Asn Pro Tyr Leu Gln Gly Gln Arg
1 5 10

<210> 372
<211> 17
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Met Glu Leu Gln Val Ser Ser Gly Phe Val Cys Asn Thr Cys Pro Glu
1 5 10 15

Lys

<210> 373
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<400> 373

Gly Thr Val Gln Gly Gln Leu Gln Gly Pro Ile Ser Lys
1 5 10

<210> 374
<211> 12
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<400> 374

Leu Gly Leu Val Gly Trp Val Gln Asn Thr Asp Arg
1 5 10

<210> 375
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Ile Ser Val Asn Asn Val Leu Pro Val Phe Asp Asn Leu Met Gln Gln
 1 5 10 15

Lys

<210> 376

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<400> 376

Asn His Cys Gly Ile Ala Ser Ala Ala Ser Tyr Pro Thr Val
 1 5 10

<210> 377

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<213> Homo sapiens

<400> 377

Asn Ser Trp Gly Glu Glu Trp Gly Met Gly Gly Tyr Val Lys
 1 5 10

<210> 378

<211> 18

<212> PRT

<213> Homo sapiens

<400> 378

Asn Gly Pro Val Glu Gly Ala Phe Ser Val Tyr Ser Asp Phe Leu Leu
 1 5 10 15

Tyr Lys

<210> 379

<211> 24

<212> PRT

<213> Homo sapiens

<400> 379

Cys His Glu Gly Tyr Ser Leu Leu Ala Asp Gly Val Ser Cys Thr Pro
 1 5 10 15

Thr Val Glu Tyr Pro Cys Gly Lys
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<210> 380

<211> 20

<212> PRT

<213> Homo sapiens

<400> 380

Asn Leu Pro Ser Asp Ser Gln Asp Leu Gly Gln His Gly Leu Glu Glu
 1 5 10 15

Asp Phe Met Leu
 20

<210> 381
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<400> 381

Gly Leu Ser Ala Glu Pro Gly Trp Gln Ala
 1 5 10

<210> 382
 <211> 21
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<400> 382

Ser Gly Glu Ala Thr Asp Gly Ala Arg Pro Gln Ala Leu Pro Glu Pro
 1 5 10 15

Met Gln Glu Ser Lys
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<210> 383
 <211> 20
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 <213> Homo sapiens

<400> 383

Tyr Pro Gly Pro Gln Ala Glu Gly Asp Ser Glu Gly Leu Ser Gln Gly
 1 5 10 15

Leu Val Asp Arg
 20

<210> 384
 <211> 22
 <212> PRT
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<400> 384

Tyr Pro Gly Pro Gln Ala Glu Gly Asp Ser Glu Gly Leu Ser Gln Gly
 1 5 10 15

Leu Val Asp Arg Glu Lys
 20

<210> 385
 <211> 12
 <212> PRT

<213> Homo sapiens

<400> 385

Phe Val Pro Ile Phe Thr Tyr Gly Glu Leu Gln Arg
1 5 10

<210> 386

<211> 10

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Ala Ile Glu Glu Asn Asn Asn Phe Ser Lys
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Ala Ser Gly Gln Ala Phe Glu Leu Ile Leu Ser Pro Arg
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<400> 388

Asp Leu Ser Leu Glu Glu Ile Gln Lys
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<400> 389

Cys Pro Asp Gly Ser Thr Cys Cys Glu Leu Pro Ser Gly Lys
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Ser Arg Cys Pro Asp Gly Ser Thr Cys Cys Glu Leu Pro Ser Gly Lys
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Cys Asp Glu Pro Ile Leu Ser Asn Arg
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Gly Asn Asp Ile Ser Ser Gly Thr Val Leu Ser Asp Tyr Val Gly Ser
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Leu Tyr Thr Leu Val Leu Thr Asp Pro Asp Ala Pro Ser Arg
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Asn Arg Pro Thr Ser Ile Ser Trp Asp Gly Leu Asp Ser Gly Lys
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<400> 395

Cys Ala Ala Asp Leu Gly Leu Asn Lys
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Cys Leu Ala Phe His Asp Ile Ser Pro Gln Ala Pro Thr His Phe Leu
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Ile Ala Glu Phe Ala Phe Glu Tyr Ala Arg
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Thr Pro Ile Ala Ala Gly His Pro Ser Met Asn Leu Leu Leu Arg
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Tyr Cys Cys Leu Ser Gly Cys Thr Gln Gln Asp Leu Leu Thr Leu Cys
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Pro Tyr

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<400> 401

Glu Ile Val Asn Lys His Asn Glu Leu Arg
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Leu Thr Leu Thr Cys Lys

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Leu Tyr Val Pro Tyr Glu Gln Gly Ala Pro Cys Ala Ser Cys Pro Asp
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Asn Cys Asp Asp Gly Leu Cys Thr Asn Gly Cys Lys
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Met Glu Trp Asn Lys Glu Ala Ala Ala Asn Ala Gln Lys
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Asn Glu Asp Lys Asp Pro Ala Phe Thr Ala Leu Leu Thr Thr Gln Thr
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Gln Val Gln Arg
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Ser Leu Lys Leu Thr Leu Thr Cys Lys
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<400> 407

Thr Pro Asn Ala Val Val Gly His Tyr Thr Gln Val Val Trp Tyr Ser
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Ser Tyr Leu Val Gly Cys Gly Asn Ala Tyr Cys Pro Asn Gln Lys
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<400> 408

Val Leu Lys Tyr Tyr Tyr Val Cys Gln Tyr Cys Pro Ala Gly Asn Trp
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Ala Asn Arg

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Trp Ala Asn Gln Cys Asn Tyr Arg
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<400> 410

Tyr Glu Asp Leu Tyr Ser Asn Cys Lys
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<400> 411

Tyr Tyr Tyr Val Cys Gln Tyr Cys Pro Ala Gly Asn Trp Ala Asn Arg
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Phe Ile Val Asp Tyr Ser Glu Thr Ser Pro Gln Cys Pro Lys Pro Gly
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Val Ile Leu Leu Thr Lys
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Leu Val Val Glu Cys Val Met Asn Asn Val Thr Cys Thr Arg
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Asn Leu Thr Ile Lys
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Gly Ala Asn Asp Gln Asp Phe Ala Val Ser Phe Ala Glu Asp Ala Ser
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Ser Ser Leu Arg
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Ser Cys Tyr Ser Thr Glu Tyr Ser Tyr Gly Thr Cys Thr Val Met Gly
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Ile Asn His Arg
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Glu Pro Asn Ala Gln Glu Ile Leu Gln Arg
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Leu Lys Asp Leu Gln Glu Pro Gln Glu Pro Arg

1 5 10

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Glu Glu Tyr Val Gly Leu Ser Ala Asn Gln Cys Ala Val Pro Ala Lys
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Glu Glu Tyr Val Gly Leu Ser Ala Asn Gln Cys Ala Val Pro Ala Lys
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Asp Arg

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Ile Pro Gly Val Pro Trp Cys Phe Lys Pro Leu Gln Glu Ala Glu Cys
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Thr Phe

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Leu Gly Val Tyr Glu Leu Leu Leu Lys
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Gln Gly Pro Val Asn Leu Leu Ser Asp Pro Glu Gln Gly Val Glu Val
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Thr Gly Gln Tyr Glu Arg
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Glu Ala Pro Leu Leu Leu Pro Ser Trp Val Gln Glu Leu Trp Glu Thr
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Arg

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Leu Ser Glu Leu Ile Gln Pro Leu Pro Leu Glu Arg
 1 5 10

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Thr Ala Asp Gly Asp Phe Pro Asp Thr Ile Gln Cys Ala Tyr Ile His
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Leu Val Ser Arg
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His Gln Asn Thr Phe Leu His Asp Ser Phe Gln Asn Val Ala Ala Val
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Cys Asp Leu Leu Ser Ile Val Cys Lys
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<400> 429

Ala Gly Glu Asn Gln Glu His Arg Arg
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<400> 430

Met Ser Gly Gly Thr Pro Tyr Ile Gly Ser Lys
 1 5 10

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<400> 431

Ala Gly Leu Leu Arg Pro Asp Tyr Ala Leu Leu Gly His Arg
 1 5 10

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<400> 432

Ala Lys Ser Pro Pro Thr Met Val Asp Ser Leu Leu Ala Val Thr Leu
 1 5 10 15

Ala Gly Asn Leu Gly Leu Thr Phe Leu Arg
 20 25

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<400> 433

Ala Ser Leu Leu Thr Met Ala Phe Leu Asn Gly Ala Leu Asp Gly Val
 1 5 10 15

Ile Leu Gly Asp Tyr Leu Ser Arg
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<400> 434

Asp Gly Ser Pro Asp Val Thr Thr Ala Asp Ile Gly Ala Asn Thr Pro
 1 5 10 15

Asp Ala Thr Lys
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Glu Phe Thr Glu Ala Phe Leu Gly Cys Pro Ala Ile His Pro Arg
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<400> 436

Glu Gly Lys Glu Tyr Gly Val Val Leu Ala Pro Asp Gly Ser Thr Val
 1 5 10 15

Ala Val Glu Pro Leu Leu Ala Gly Leu Glu Ala Gly Leu Gln Gly Arg
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<211> 29

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<213> Homo sapiens

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Glu Tyr Gly Val Val Leu Ala Pro Asp Gly Ser Thr Val Ala Val Glu
 1 5 10 15

Pro Leu Leu Ala Gly Leu Glu Ala Gly Leu Gln Gly Arg
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<213> Homo sapiens

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Gly Cys Pro Asp Val Gln Ala Ser Leu Pro Asp Ala Lys
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Gly Ser Gln Thr Gln Ser His Pro Asp Leu Gly Thr Glu Gly Cys Trp
 1 5 10 15

Asp Gln Leu Ser Ala Pro Arg
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<213> Homo sapiens

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His Thr Ala Ser Ala Trp Leu Met Ser Ala Pro Asn Ser Gly Pro His
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Asn Arg

<210> 441

<211> 26

<212> PRT

<213> Homo sapiens

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Leu Leu Gln Leu Pro Leu Gly Phe Leu Tyr Val His His Thr Tyr Val
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Pro Ala Pro Pro Cys Thr Asp Phe Thr Arg
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Gln Asn Gly Ala Ala Leu Thr Ser Ala Ser Ile Leu Ala Gln Gln Val
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Trp Gly Thr Leu Val Leu Leu Gln Arg
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Arg Gln Asn Gly Ala Ala Leu Thr Ser Ala Ser Ile Leu Ala Gln Gln
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Val Trp Gly Thr Leu Val Leu Leu Gln Arg
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<400> 444

Ser Leu Pro Leu Leu Met Asp Ser Val Ile Gln Ala Leu Ala Glu Leu
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Glu Gln Lys

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Ser Pro Pro Thr Met Val Asp Ser Leu Leu Ala Val Thr Leu Ala Gly
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Asn Leu Gly Leu Thr Phe Leu Arg
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Thr Asp Cys Pro Gly Asp Ala Leu Phe Asp Leu Leu Arg
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Thr Phe Thr Leu Leu Asp Pro Lys
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Thr Pro Glu Pro Arg Pro Ser Leu Ser His Leu Leu Ser Gln Tyr Tyr
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Gly Ala Gly Val Ala Arg
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Asp Thr Phe Pro Asp Val Val Ala Ile Ala Pro Asp Val Arg
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Trp Gly Ala Ala Pro Tyr Arg
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Tyr His Gln Asp Thr Gln Gly Trp Gly Asp Ile Gly Tyr Ser Phe Val
 1 5 10 15

Val Gly Ser Asp Gly Tyr Val Tyr Glu Gly Arg
 20 25

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<400> 452

Phe Phe Gln Ser Leu Asp Gly Ile Met Phe Ile Asn Lys
 1 5 10

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Ser Cys Pro Gln Trp Asn Ser Leu Ser Thr Cys His Ile Arg
 1 5 10

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Ala Phe Ser Ala Val Asp Thr Asp Gly Asn Gly Thr Ile Asn Ala Gln
 1 5 10 15

Glu Leu Gly Ala Ala Leu Lys
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<400> 455

Gln Gln Met Glu Glu Gln Val Ala Gln Lys
 1 5 10

<210> 456

<211> 25

<212> PRT

<213> Homo sapiens

<400> 456

Cys Asn Asn Gly Ile Cys Ile Pro Val Thr Glu Ser Ile Leu Thr Pro
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His Ile Pro Ala Leu Asp Gly Thr Arg
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<211> 9

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Lys Val Ala Ile Leu Asn Tyr Gly Arg
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Phe Ala Val Glu Thr Leu Ile Cys Ser
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Gly Gln Tyr Asp Glu Glu Glu Met Thr Met Gln Gln Ala Lys
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<400> 460

Val Leu Leu Ala Gly Ala Pro Gln Ala Gln Gln Arg
 1 5 10

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<400> 461

Ile Ala Gln Ser Ser Leu Cys Asn
 1 5

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<400> 462

Lys Leu Val Asp Thr Leu Pro Gln Lys Pro Arg
 1 5 10

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Leu Val Asp Thr Leu Pro Gln Lys Pro Arg
 1 5 10

<210> 464
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<400> 464

Asp Val His Glu Gly Gln Pro Leu Leu Asn Val Lys
 1 5 10

<210> 465
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<400> 465

Glu Ser Ala Glu Val Glu Glu Ile Val Phe Pro Arg
 1 5 10

<210> 466
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<400> 466

Leu Ser Leu Lys Pro Thr Leu Thr Glu Glu Ser Val Lys
 1 5 10

<210> 467
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<400> 467

Leu Ser Leu Lys Pro Thr Leu Thr Glu Glu Ser Val Lys Glu Ser Ala
 1 5 10 15

Glu Val Glu Glu Ile Val Phe Pro Arg
 20 25

<210> 468
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<400> 468

Thr Gly Phe Pro Glu Asp Val Tyr Ser Ala Val Leu Ser Lys
 1 5 10

<210> 469
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 <212> PRT
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<400> 469

Val Gln Tyr Glu Ser Ser Glu Pro Ala Asp Phe Lys Val Asp Glu Asp
 1 5 10 15

Gly Met Val Tyr Ala Val Arg
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<400> 470

Trp Gln Val Ala Val Lys
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<210> 471
 <211> 10
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<400> 471

Phe Asn Ala Pro Phe Asp Val Gly Ile Lys
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<210> 472

<211> 12

<212> PRT

<213> Homo sapiens

<400> 472

Cys Gly Val Pro Asp Lys Phe Gly Ala Glu Ile Lys
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<210> 473

<211> 9

<212> PRT

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<400> 473

Phe Tyr Gly Leu Gln Val Thr Gly Lys
 1 5

<210> 474

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<400> 474

Ser Pro Gln Ser Leu Ser Ala Ala Ile Ala Ala Met Gln Lys
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<210> 475

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Asp Phe Asn Leu Leu Gln Val Ser Glu Pro Ser Glu Pro Cys Val Arg
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<210> 476

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Leu Tyr Leu Asp Ile His Asn Tyr Cys Val Leu Asp Lys
 1 5 10

<210> 477

<211> 17

<212> PRT

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<400> 477

Ala Gly Ala Ala Ala Gly Gly Pro Gly Val Ser Gly Val Cys Val Cys
 1 5 10 15

Lys

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Glu Asp Ala Gly Glu Tyr Glu Cys His Ala Ser Asn Ser Gln Gly Gln
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Ala Ser Ala Ser Ala Lys
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Gly Thr Cys Glu Gln Gly Pro Ser Ile Val Thr Pro Pro Lys
 1 5 10

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Ile Thr Val Val Asp Ala Leu His Glu Ile Pro Val Lys
 1 5 10

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Ile Thr Val Val Asp Ala Leu His Glu Ile Pro Val Lys Lys
 1 5 10

<210> 482
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<400> 482

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Cys Gln Leu Arg

20

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Thr Glu Leu Leu Pro Gly Asp Arg Asp Asn Leu Ala Ile Gln Thr Arg
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Asp Ala Cys Gly Cys Cys Pro Met Cys Ala Arg
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Gly Tyr Cys Ala Pro Gly Met Glu Cys Val Lys
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<210> 486
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Gly Ile Leu Gly Asp Trp Ser Asn Ala Ile Ser Ala Leu Tyr Cys Arg
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Gly Asp Gly Glu Leu Ser Trp Glu His Ser Asp Gly Asp Ile Phe Arg
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Ala Val Leu Asp Gly Cys Ser Cys Cys Leu Val Cys Ala Arg
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<400> 490

Asp Gly Gln Ile Gly Cys Val Pro Arg
 1 5

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Gly Thr Asn Tyr Leu Ala Asp Val Phe Glu Lys
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Gly Thr Asn Tyr Leu Ala Asp Val Phe Glu Lys
 1 5 10

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<400> 493

Ser Ile Ile Gly Met Ile Asp Met Phe His Lys
 1 5 10

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Ala Leu Asn Cys His Leu Pro Ala Ile Ile Phe Val Thr Lys
 1 5 10

<210> 495

<211> 15
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Lys Ala Leu Asn Cys His Leu Pro Ala Ile Ile Phe Val Thr Lys
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Val Pro Glu Trp Val Asn Thr Pro Ser Thr Cys Cys Leu Lys
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Ser Lys

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Cys Leu Ala Cys Ile Lys
 1 5

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Gly Leu Gln Val Ala Leu Glu Glu Phe His Lys
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1 5 10

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Leu Val His Cys Pro Ile Glu Thr Gln Val Leu Arg
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Ile Pro Lys

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1 5 10 15

Ile Pro Lys

<210> 505
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Ala Glu Ala Gln Ala Gln Tyr Ser Ala Ala Val Ala Lys
1 5 10

<210> 506
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Ala Asn Thr Val Gln Glu Ala Thr Phe Gln Met Glu Leu Pro Lys
 1 5 10 15

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Glu Lys Asn Gly Ile Asp Ile Tyr Ser Leu Thr Val Asp Ser Arg
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Phe Ala His Thr Val Val Thr Ser Arg
 1 5

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Ala Leu Asp Gln Tyr Leu Met Glu Phe Asn Ala Cys Arg
 1 5 10

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Leu Gly Ser Leu Gly Ala Ala Cys Glu Gln Thr Gln Thr Glu Gly Ala
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Lys

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Ser Leu Lys Tyr Asn Pro Val Val Ile Asp Phe Glu Met Gln Pro Ile
 1 5 10 15

His Glu Val Leu Arg
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Tyr Asn Pro Val Val Ile Asp Phe Glu Met Gln Pro Ile His Glu Val
1 5 10 15

Leu Arg

<210> 513
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<212> PRT
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Val Ser Thr Gln Asn Leu Leu Leu Leu Leu Thr Asp Asn Glu Ala Trp
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Asn Gly Phe Val Ala Ala Ala Glu Leu Pro Arg
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Glu Phe Leu Gly Glu Asn Ile Ser Asn Phe Leu Ser Leu Ala Gly Asn
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Thr Tyr Gln Leu Thr Arg
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Trp Trp Thr Gln Ala Gln Ala His Asp Leu Val Ile Lys
1 5 10

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Gln Val Ile Leu Thr Leu Gln Pro Thr Leu Val Ala Val Gly Lys
 1 5 10 15

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Val Asn Asp Asp Ile Ile Val Asn Trp Val Asn Glu Thr Leu Arg
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Val Asn His Leu Tyr Ser Asp Leu Ser Asp Ala Leu Val Ile Phe Gln
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Leu Tyr Glu Lys
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Gly Gly Gly Pro Leu Ser Leu Arg
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Asp Phe Ala Leu Leu Ser Leu Gln Val Pro Leu Lys
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Gly Pro Glu Val Gln Leu Val Ala His Ser Pro Trp Leu Lys
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Ser Cys Gly Leu His Gln Leu Leu Arg
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Thr Thr Asn Ile Gln Gly Ile Asn Leu Leu Phe Ser Ser Arg
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Ile Leu His Val Phe His Gly Leu Leu Pro Gly Phe Leu Val Lys
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Leu Pro Gly Thr Tyr Val Val Val Leu Lys
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Met Ser Gly Asp Leu Leu Glu Leu Ala Leu Lys
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Ser Glu Glu Asp Gly Leu Ala Glu Ala Pro Glu His Gly Thr Thr Ala
 1 5 10 15

Thr Phe His Arg
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Ser Ser Leu Ser Val Pro Tyr Val Ile Val Pro Leu Lys
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Thr Gly Leu Gln Glu Val Glu Val Lys
 1 5

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Leu Ser Gly Ala Leu His Val Tyr Ser Leu Gly Ser Asp
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Asn Gln Val Val Ile Ala Ala Gly Arg
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Gln Val Pro Gly Phe Gly Ala Ala Asp Ala Leu Gly Asn Arg
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Val Gly Glu Ala Ala His Ala Leu Gly Asn Thr Gly His Glu Ile Gly
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Arg

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Val Ser Glu Ala Leu Gly Gln Gly Thr Arg
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Ala Ile Gly Lys Glu Ala Gly Gly Ala Ala Gly Ser Lys
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Gln Val Pro Gly Phe Gly Ala Ala Asp Ala Leu Gly Asn Arg
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Gln Val Pro Gly Phe Gly Val Ala Asp Ala Leu Gly Asn Arg
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Arg

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Lys

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<400> 541

Asp Thr Asp Thr Gly Ala Leu Leu Phe Ile Gly Lys
 1 5 10

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Glu Ile Pro Asp Glu Ile Ser Ile Leu Leu Leu Gly Val Ala His Phe
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Lys

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Glu Leu Leu Asp Thr Val Thr Ala Pro Gln Lys
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Ile Ala Gln Leu Pro Leu Thr Gly Ser Met Ser Ile Ile Phe Phe Leu
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Pro Leu Lys

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Lys Thr Ser Leu Glu Asp Phe Tyr Leu Asp Glu Glu Arg
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Leu Ala Ala Ala Val Ser Asn Phe Gly Tyr Asp Leu Tyr Arg
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Leu Asp Leu Gln Glu Ile Asn Asn Trp Val Gln Ala Gln Met Lys
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Leu Gln Ser Leu Phe Asp Ser Pro Asp Phe Ser Lys
 1 5 10

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Ser Ser Met Ser Pro Thr Thr Asn Val Leu Leu Ser Pro Leu Ser Val
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Ala Thr Ala Leu Ser Ala Leu Ser Leu Gly Ala Glu Gln Arg
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<400> 550

Thr Ser Leu Glu Asp Phe Tyr Leu Asp Glu Glu Arg
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<213> Homo sapiens

<400> 551

Tyr Gly Leu Asp Ser Asp Leu Ser Cys Lys
 1 5 10

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<211> 17

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Ala Leu Ala Gln Cys Ala Pro Pro Pro Ala Val Cys Ala Glu Leu Val
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Arg

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Gly Arg

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<213> Homo sapiens

<400> 554

Glu Met Glu Asp Thr Leu Asn His Leu Lys
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<211> 18

<212> PRT

<213> Homo sapiens

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Glu Met Glu Asp Thr Leu Asn His Leu Lys Phe Leu Asn Val Leu Ser
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Pro Arg

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Pro Cys Gly Ile Tyr Thr Glu Arg
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Glu Thr Glu Tyr Gly Pro Cys Arg
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<400> 558

Phe Leu Asn Val Leu Ser Pro Arg
 1 5

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<400> 559

Gly Ala Ser Ser Gly Gly Leu Gly Pro Val Val Arg
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<400> 560

Gly Phe Cys Trp Cys Val Asp Lys
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Gly Phe Cys Trp Cys Val Asp Lys Tyr Gly Gln Pro Leu Pro Gly Tyr
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Thr Thr Lys

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<213> Homo sapiens

<400> 562

Gly Val His Ile Pro Asn Cys Asp Lys
1 5

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<211> 10

<212> PRT

<213> Homo sapiens

<400> 563

Gly Val His Ile Pro Asn Cys Asp Lys Lys
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<210> 564

<211> 9

<212> PRT

<213> Homo sapiens

<400> 564

Arg Glu Thr Glu Tyr Gly Pro Cys Arg
1 5

<210> 565

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<212> PRT

<213> Homo sapiens

<400> 565

Arg Gly Phe Cys Trp Cys Val Asp Lys
1 5

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<400> 566

Ser Ala Gly Ser Val Glu Ser Pro Ser Val Ser Ser Thr His Arg
1 5 10 15

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<400> 567

Tyr Gly Gln Pro Leu Pro Gly Tyr Thr Thr Lys
 1 5 10

<210> 568
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 <212> PRT
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<400> 568

Asn Glu Asp Lys Asp Pro Ala Phe Thr Ala Leu Leu Thr Thr Gln Thr
 1 5 10 15

Gln Val Gln Arg
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<400> 569

Ala Trp Phe Leu Glu Ser Lys
 1 5

<210> 570
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<400> 570

Ala Trp Phe Leu Glu Ser Lys Asp Ser Leu Leu Lys
 1 5 10

<210> 571
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<400> 571

Asp Gly Trp Gln Trp Phe Trp Ser Pro Ser Thr Phe Arg
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<400> 572

Asp Leu Gly Pro Leu Thr Lys
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<400> 573

Glu Leu Leu Glu Thr Val Val Asn Arg
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Gly Phe Met Gln Thr Tyr Tyr Asp Asp His Leu Arg
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Gly Phe Met Gln Thr Tyr Tyr Asp Asp His Leu Arg Asp Leu Gly Pro
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Leu Thr Lys

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Lys Thr His Ser Leu Cys Pro Arg
 1 5

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<400> 577

Thr Arg Asp Gly Trp Gln Trp Phe Trp Ser Pro Ser Thr Phe Arg
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Trp Ser Leu Val Arg

1 5

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Ala Glu Met Ala Asp Gln Ala Ala Ala Trp Leu Thr Arg
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Ile Ala Ser His Thr Thr Glu Glu Arg
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Asp Trp Phe Ser Glu Thr Phe Arg
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 <212> PRT
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Glu Phe Gly Asn Thr Leu Glu Asp Lys
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<210> 583
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<400> 583

Glu Leu Leu Glu Thr Val Val Asn Arg
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<210> 584
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<400> 584

Glu Ser Leu Ser Ser Tyr Trp Glu Ser Ala Lys
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<400> 585

Glu Trp Phe Ser Glu Thr Phe Gln Lys
1 5

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<400> 586

Leu Lys Glu Phe Gly Asn Thr Leu Glu Asp Lys
1 5 10

<210> 587
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<212> PRT
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<400> 587

Thr Pro Asp Val Ser Ser Ala Leu Asp Lys
1 5 10

<210> 588
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<400> 588

Thr Tyr Leu Pro Ala Val Asp Glu Lys
1 5

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<400> 589

Glu Val Gln Pro Val Glu Leu Pro Asn Cys Asn Leu Val Lys
1 5 10

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<212> PRT
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<400> 590

Gly Ile Glu Thr Gly Ser Glu Asp Leu Glu Ile Leu Pro Asn Gly Leu
107

1 5 10 15

Ala Phe Ile Ser Ser Gly Leu Lys
20

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<400> 591

Ile Phe Phe Tyr Asp Ser Glu Asn Pro Pro Ala Ser Glu Val Leu Arg
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<210> 592
<211> 22
<212> PRT
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<400> 592

Ile Leu Leu Met Asp Leu Asn Glu Glu Asp Pro Thr Val Leu Glu Leu
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Gly Ile Thr Gly Ser Lys
20

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<211> 19
<212> PRT
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<400> 593

Val Val Ala Glu Gly Phe Asp Phe Ala Asn Gly Ile Asn Ile Ser Pro
1 5 10 15

Asp Gly Lys

<210> 594
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<400> 594

Tyr Val Tyr Ile Ala Glu Leu Leu Ala His Lys
1 5 10

<210> 595
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<400> 595

Cys Phe Glu Thr Val Tyr Asp Gly Tyr Ser Lys
1 5 10

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Cys Pro Ala Met Val Ala Tyr Cys Met Thr Thr Arg
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Asp Ser Gly Gly Gln Thr Ser Ala Gly Cys Pro Ser Gly Trp Leu Gly
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Thr Arg

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Lys Met Ile Cys Leu Leu Lys
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<400> 599

Gln Gln His Phe Ala His Leu Leu Ile Leu Arg
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Leu Val His Ser Arg Asp Asn His Gly Arg
 1 5 10

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Ala Lys Asp Phe Gly Ser Ser Leu Lys
1 5

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Asp Phe Gly Ser Ser Leu Lys
1 5

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Glu Asn Gln Phe Ser Val Met Val Val Asn Lys
1 5 10

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Trp Leu Leu Ser Pro Gly Ala Gly Ala Gln Gln Leu Glu Val Val His
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Leu Pro Gly Ser Thr Leu
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Gln Met Leu Glu Gly Glu Lys
1 5

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Glu Ala Ala Pro Val Gly Arg Ser Ser Ala Ser Gly Thr Pro Leu Ala
1 5 10 15

Ala Ala His Lys
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Gln Gly His Lys Leu Gly Lys
 1 5

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Trp Tyr Asn Leu Ala Ile Gly Ser Thr Cys Pro Trp Leu Lys
 1 5 10

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Lys Glu Leu Ser Ser Phe Ile Asp Lys
 1 5

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Val Pro Thr Ala Asp Leu Glu Asp Val Leu Pro Leu Ala Glu Asp Ile
 1 5 10 15

Thr Asn Ile Leu Ser Lys
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Leu Ser Arg Cys Leu Leu Leu Asn Ser Arg
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Val Ala Glu Tyr Met Asp Trp Ile Leu Glu Lys
 1 5 10

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Ile Ala Glu Phe Ala Phe Glu Tyr Ala Arg
 1 5 10

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Leu Tyr Pro Gly Asp Ala Val Ser Leu Gln Gly Ala Ala Arg
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Asn Phe Glu Lys Thr Leu Gln Ile Ile His Val Ser Glu Ala Asp Ser
 1 5 10 15

Gly Asn Tyr Gln Cys Ile Ala Lys
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Trp Gln Thr Gly Thr Asn Pro Leu Tyr Arg
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Met Glu Ala Leu Ser Ala Arg Gln Arg

1 5

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Phe Gln Asn Ser Ala Ile Leu Thr Ile Gln Pro Lys
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Glu Ala Trp Glu Gln Gln Gln Gly Ala Val Ala Lys
 1 5 10

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Ala Ala Leu Ala Ser Ala His Gln Cys His Pro Leu Pro Arg Thr Leu
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Ser Val Leu Lys
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Ile Ile Phe Val Ile Thr His His Leu Leu Lys
 1 5 10

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Ser Val Ile Met Val Val Phe Ala Glu Asp Lys
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Glu Lys Leu Gln Asp Glu Asp Leu Gly Phe Leu
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Leu Gly Val Arg Pro Ser Gln Gly Gly Glu Ala Pro Arg
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Val Thr Trp Ala Pro Pro Pro Ser Ile Asp Leu Thr Asn Phe Leu Val
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Arg

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Gly Ala Thr Tyr Asn Ile Ile Val Glu Ala Leu Lys
 1 5 10

<210> 628
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Leu Leu Gln Glu Gly Gln Ala Leu Glu Tyr Val Cys Pro Ser Gly Phe
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Tyr Pro Tyr Pro Val Gln Thr Arg
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Ser Gly Val Gln Gln Leu Ile Gln Tyr Tyr Gln Asp Gln Lys
 1 5 10

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<400> 630

Leu His Leu Glu Thr Asp Ser Leu Ala Leu Val Ala Leu Gly Ala Leu
 1 5 10 15

Asp Thr Ala Leu Tyr Ala Ala Gly Ser Lys
 20 25

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Leu Leu Leu Phe Ser Pro Ser Val Val His Leu Gly Val Pro Leu Ser
 1 5 10 15

Val Gly Val Gln Leu Gln Asp Val Pro Arg
 20 25

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Phe Met Glu Thr Val Ala Glu Lys
 1 5

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Glu Leu Asp Glu Ser Leu Gln Val Ala Glu Arg
 1 5 10

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Val Thr Thr Val Ala Ser His Thr Ser Asp Ser Asp Val Pro Ser Gly
 1 5 10 15

Val Thr Glu Val Val Val Lys
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Ala Ser Ser Ile Ile Asp Glu Leu Phe Gln Asp Arg
1 5 10

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Lys Thr Leu Leu Ser Asn Leu Glu Glu Ala Lys
1 5 10

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Thr Leu Leu Ser Asn Leu Glu Glu Ala Lys
1 5 10

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<400> 638

Ile Gln Asp Ile Asn Asp Asn Glu Pro Lys
1 5 10

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Asp Arg Ser Leu Ser Val Trp Leu Thr Cys Leu Lys
1 5 10

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Gly Ala Phe Ser Asp Gly Leu Ala His Leu Asp Asn Leu Lys
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<213> Homo sapiens

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Leu Gly Glu Phe Trp Leu Gly Asn Asp Asn Ile His Ala Leu Thr Ala
1 5 10 15

Gln Gly Thr Ser Glu Leu Arg
20

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<212> PRT

<213> Homo sapiens

<400> 642

Lys Glu Ala Val Leu Leu Ala Lys
1 5

<210> 643

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<213> Homo sapiens

<400> 643

Val Asn Ile Asn Val Pro Met Lys
1 5

<210> 644

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<213> Homo sapiens

<400> 644

Asn Leu Ile Val Ile Arg Ala Pro Lys
1 5

<210> 645

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<212> PRT

<213> Homo sapiens

<400> 645

Ile Lys Gln Glu Ile Ile Lys
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<212> PRT

<213> Homo sapiens

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Ala Leu Glu Ala Phe Glu Thr Phe Lys Lys
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<210> 647

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<400> 647

Ala Glu Ala Gln Ala Gln Tyr Ser Ala Ala Val Ala Lys
 1 5 10

<210> 648
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 <212> PRT
 <213> Homo sapiens

<400> 648

Ile Leu Leu Gln Gly Thr Pro Val Ala Gln Met Thr Glu Asp Ala Val
 1 5 10 15

Asp Ala Glu Arg
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 <212> PRT
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<400> 649

Gly Val Thr Ser Val Ser Gln Ile Phe His Ser Pro Asp Leu Ala Ile
 1 5 10 15

Arg

<210> 650
 <211> 19
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 <213> Homo sapiens

<400> 650

Ser Leu Pro Leu Leu Met Asp Ser Val Ile Gln Ala Leu Ala Glu Leu
 1 5 10 15

Glu Gln Lys

<210> 651
 <211> 17
 <212> PRT
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<400> 651

Thr Val Leu Asp Leu Gln Ser Ser Leu Ala Gly Val Ser Glu Asn Leu
 1 5 10 15

Lys

<210> 652
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<400> 652

Trp Leu Gln Tyr Lys Phe Phe Cys Leu Leu Cys Lys
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<400> 653

Phe Gly Ser Ser Leu Ile Thr Val Arg
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Ala Lys Asn Gln Val Val Ile Ala Ala Gly Arg
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<400> 655

Arg Ile His Ala Gly Glu Lys Pro Tyr Lys
 1 5 10

<210> 656
 <211> 27
 <212> PRT
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<400> 656

Cys Leu Cys Leu Pro Gly Tyr Val Pro Ser Asp Lys Pro Asn Tyr Cys
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Thr Pro Leu Asn Thr Ala Leu Asn Leu Glu Lys
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<400> 657

Thr Gln Leu Ser Arg Met Gln Glu Asp Trp Ile Glu Glu Glu Cys His
 1 5 10 15

Arg

<210> 658
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 <212> PRT
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<400> 658

Asp Leu Glu Glu Ala Thr Leu Gln His Glu Ala Thr Ala Ala Ala Leu
 1 5 10 15

Arg

<210> 659
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 <212> PRT
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<400> 659

Tyr Asp Pro Glu Ala Ala Ser Ala Pro Gly Ser Gly Asn Pro Cys His
 1 5 10 15

Glu Ala Ser Ala Ala Gln Lys
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<210> 660
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<400> 660

His Met Glu Lys Cys Ser Thr Ser Leu Ile Ile Arg
 1 5 10

<210> 661
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 <212> PRT
 <213> Homo sapiens

<400> 661

Met Asn Ile Ser Val Asp Leu Glu Thr Asn Tyr Ala Glu Leu Val Leu
 1 5 10 15

Asp Val Gly Arg
 20

<210> 662
 <211> 19
 <212> PRT
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<400> 662

Phe Phe Gly Leu Pro Gln Thr Gly Asp Leu Asp Gln Asn Thr Ile Glu
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Thr Met Arg

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<212> PRT

<213> Homo sapiens

<400> 663

Glu Thr Ser Asn Phe Gly Phe Ser Leu Leu Arg
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<212> PRT

<213> Homo sapiens

<400> 664

Gly Pro Leu Asp Gln Leu Glu Lys
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<211> 9

<212> PRT

<213> Homo sapiens

<400> 665

Thr Ser Cys Leu Leu Phe Met Gly Arg
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<211> 22

<212> PRT

<213> Homo sapiens

<400> 666

Val Ala Asn Tyr Phe Asp Trp Ile Ser Tyr His Val Gly Arg Pro Phe
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Ile Ser Gln Tyr Asn Val
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<210> 667

<211> 10

<212> PRT

<213> Homo sapiens

<400> 667

Ser Pro Leu Asn Asp Phe Gln Val Leu Arg
 1 5 10

<210> 668
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<400> 668

Val Met Val Thr Asp Phe Glu Asn Val Pro Glu Glu Asp Gly Thr Arg
 1 5 10 15

<210> 669
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 <212> PRT
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<400> 669

Met Ala Thr Ala Ile Ala Arg Cys Ala Pro Asp Glu Glu Leu Leu Ser
 1 5 10 15

Cys Ser Ser Phe Ser Arg
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<210> 670
 <211> 17
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<400> 670

Leu Gly Val Phe Cys Phe Ser Gln Glu Asn Ile Ile Trp Ala Asn Leu
 1 5 10 15

Arg

<210> 671
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Ala Leu Asn Ser Ile Ile Asp Val Tyr His Lys
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 <212> PRT
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<400> 672

Cys Ser Ala Thr Gly Ser Pro Thr Pro Thr Leu Glu Trp Thr Gly Gly
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Pro Gly Gly Gln Leu Pro Ala Lys
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 <212> PRT
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<400> 673

Asp Phe Ile Ser Leu Gly Leu Gln Asp Gly His Leu Val Phe Arg
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<210> 674
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<400> 674

Leu Val Ser Glu Asp Pro Ile Asn Asp Gly Glu Trp His Arg
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<210> 675
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<400> 675

His Tyr Tyr Ile Gly Ile Ile Glu Thr Thr Trp Asp Tyr Ala Ser Asp
 1 5 10 15

His Gly Glu Lys
 20

<210> 676
 <211> 21
 <212> PRT
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<400> 676

His Tyr Tyr Ile Gly Ile Ile Glu Thr Thr Trp Asp Tyr Ala Ser Asp
 1 5 10 15

His Gly Glu Lys Lys
 20

<210> 677
 <211> 21
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<400> 677

Asp Ala Thr Cys Asn Cys Asp Tyr Asn Cys Gln His Tyr Met Glu Cys
 1 5 10 15

Cys Pro Asp Phe Lys
 20

<210> 678
 <211> 15
 <212> PRT
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<400> 678

His Leu Asp Ser Val Leu Gln Gln Leu Gln Thr Glu Val Tyr Arg
 1 5 10 15

<210> 679
 <211> 13
 <212> PRT
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<400> 679

Gln Ala Val Asp Thr Ala Val Asp Gly Val Phe Ile Arg
 1 5 10

<210> 680
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 <212> PRT
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<400> 680

Leu Trp Ala Tyr Leu Thr Ile Gln Glu Leu Leu Ala Lys
 1 5 10

<210> 681
 <211> 19
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<400> 681

Gly Ser Leu Val Gln Ala Ser Glu Ala Asn Leu Gln Ala Ala Gln Asp
 1 5 10 15

Phe Val Arg

<210> 682
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 <212> PRT
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<400> 682

Gly Asp Lys Leu Pro Glu Cys Glu Ala Val Cys Gly Lys Pro Lys
 1 5 10 15

<210> 683
 <211> 9
 <212> PRT
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<400> 683

Ile Asp Ala Asp Ala Ile Val Glu Lys
 1 5

<210> 684
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<400> 684

Phe Asp Ser Asp Ala Ala Ser Pro Arg
1 5

<210> 685
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<400> 685

Phe Ile Ser Val Gly Tyr Val Asp Asp Thr Gln Phe Val Arg
1 5 10

<210> 686
<211> 10
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<213> Homo sapiens

<400> 686

Gly Phe His Gln Glu Val Phe Leu Gly Lys
1 5 10

<210> 687
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<212> PRT
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<400> 687

Ala Leu Tyr Pro Ser Ile Tyr Met Pro Ala Val Leu Glu Gly Thr Gly
1 5 10 15

Lys

<210> 688
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<400> 688

Leu Glu Val Ala Leu Lys Glu Ala Lys
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<212> PRT
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<400> 689

Gln Trp Ile Asn Leu Phe Leu Arg
1 5

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<400> 690

Leu Ser Gly Asn Val Leu Ser Tyr Thr Phe Gln Val Lys
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<400> 691

Leu Ser Ala Leu His Leu Glu Val Arg
1 5

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<400> 692

Ala Cys Gly Met Pro Gly Ala Glu Ser Leu Arg
1 5 10

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<400> 693

Ala Phe Ser Phe Ser Ser Ala Leu Ile Arg
1 5 10

<210> 694
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<400> 694

Pro Ser Asp Thr Ile Glu Asn Val Lys
1 5

<210> 695
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<400> 695

Val Asn Glu Pro Ser Ile Leu Glu Met Ser Arg
1 5 10

<210> 696
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<400> 696

Gly Asp Leu Ser Ser Ile Arg Trp Val Cys Ser Ser Leu Arg
 1 5 10

<210> 697
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 <212> PRT
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<400> 697

Met Ala Leu Ala Leu Leu Asp Ala Val Arg
 1 5 10

<210> 698
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 <212> PRT
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<400> 698

Gln Met Ser Cys Val Asn Lys
 1 5

<210> 699
 <211> 21
 <212> PRT
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<400> 699

Thr Lys Ile Ala Ala Ala Val Gly Gly Leu Thr Ala Leu Ala Val Gly
 1 5 10 15

Trp Tyr Thr Ala Lys
 20

<210> 700
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<400> 700

Glu Phe Asp Thr Val Pro Gly Ala Glu Phe Pro Glu Lys
 1 5 10

<210> 701
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 <212> PRT
 <213> Homo sapiens

<400> 701

Tyr Gly Phe Cys Glu Ala Ala Asp Gln Phe His Val Leu Asp Glu Val
 1 5 10 15

Arg

<210> 702
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<400> 702

Leu Leu Glu Arg Leu Pro Glu Val Glu Val Pro Gln His Leu
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 <211> 19
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<400> 703

Arg Glu Glu Gly Ala Pro Gly Asp Pro Glu Ala Ala Leu Glu Asp Asn
 1 5 10 15

Leu Ala Arg

<210> 704
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<400> 704

Ser Asp Leu Pro Ser Gln Val Phe Ile Arg
 1 5 10

<210> 705
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<400> 705

Met Ala Ser Leu Lys Tyr Asp Leu Arg
 1 5

<210> 706
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 <212> PRT
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<400> 706

Phe Val Pro Ile Phe Thr Tyr Gly Glu Leu Gln Arg Met Gln Glu Lys
 1 5 10 15

Glu Arg Asn Lys Gly Gln

